Ritter®

Assembly & Operation Instructions

157 Exam Lamp (Mobile, Cabinet Mount, and Wall Mount Versions)

Assembly of 157 Mobile Exam Lamp:

NOTE
The Model 157 Exam Lamp is available in five different configurations:
Model **157-001** contains a 5 leg caster base and has an adjustable vertical upright assembly (see Figure 1).
Model **157-002** contains a base with glides and has an adjustable vertical upright assembly (not shown).
Model **157-003** is a wall / cabinet mount unit (see Figures 2 and 3).
Model **157-007** contains a 5 leg caster base and has a non-adjustable vertical upright assembly.
Model **157-008** contains a base with glides and has a non-adjustable vertical upright assembly.

(1) Remove the base (1, Figure 1), lamp assembly (2), and tube assembly (3) from the shipping containers.

(2) Coat threads (A) with Loctite 242 (provided).

(3) Screw the tube assembly (3) into the base (1).

(4) To attach lamp, lift up on the black locking ring of the quick coupler (4) and then slide quick coupler onto male stud (5).

(5) Once male stud (5) is fully inserted into quick coupler (4), push down firmly on the black locking ring of the quick coupler to lock the quick coupler.

Assembly of 157 Cabinet Mount Exam Lamp:

(1) Using the mounting bracket (1, Figure 2) as a template, drill two 5/16 in. diameter holes through the cabinet wall (2).

(2) Secure mounting bracket (1) on cabinet wall (2) with two 1/4 in. screws (3) and locknuts (4).

(3) Attach mounting stud (5) to mounting bracket (1) with 3/8 in. locknut (6).

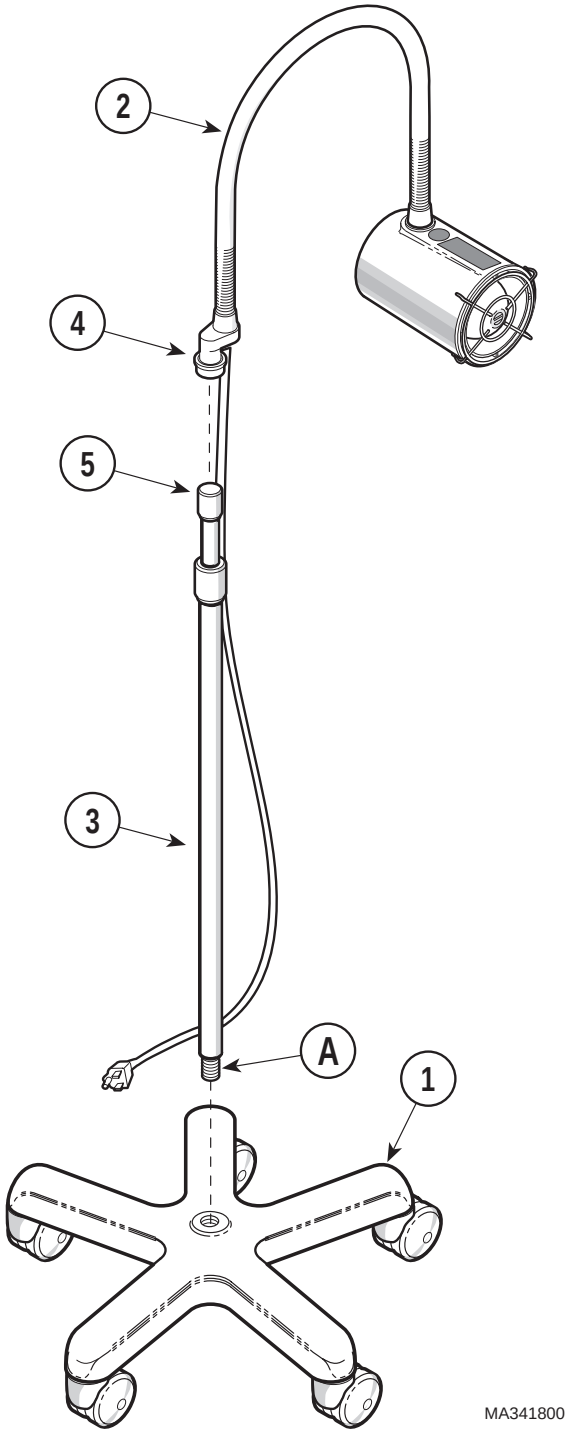

Figure 1. Assembly of 157 Mobile Exam Lamp

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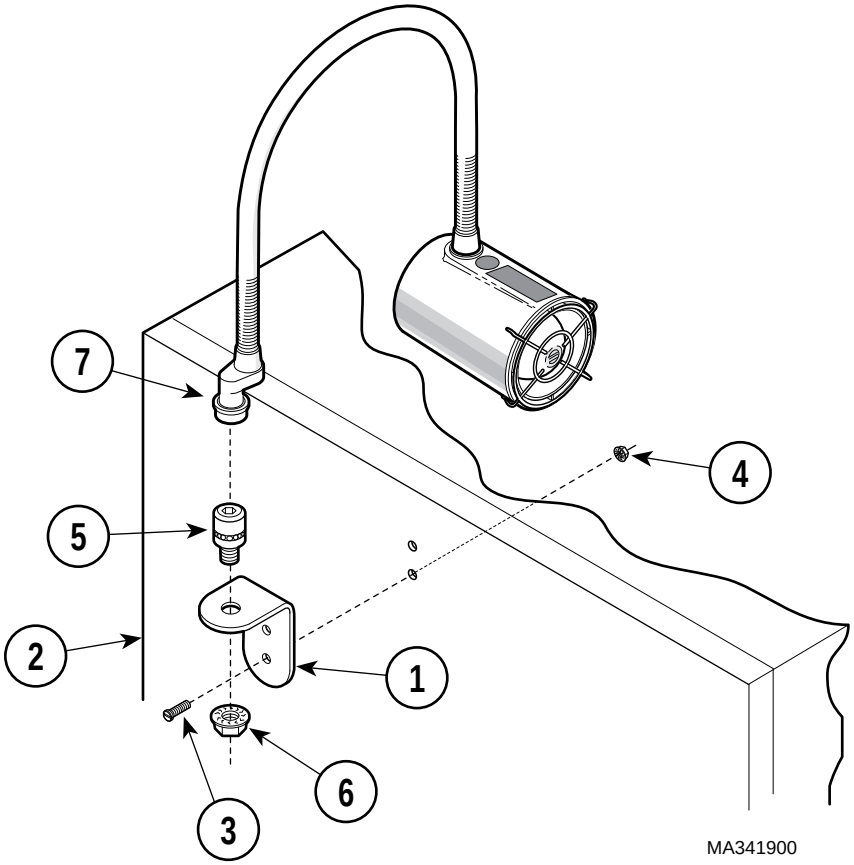

Figure 2. Assembly of 157 Cabinet Mount Exam Lamp

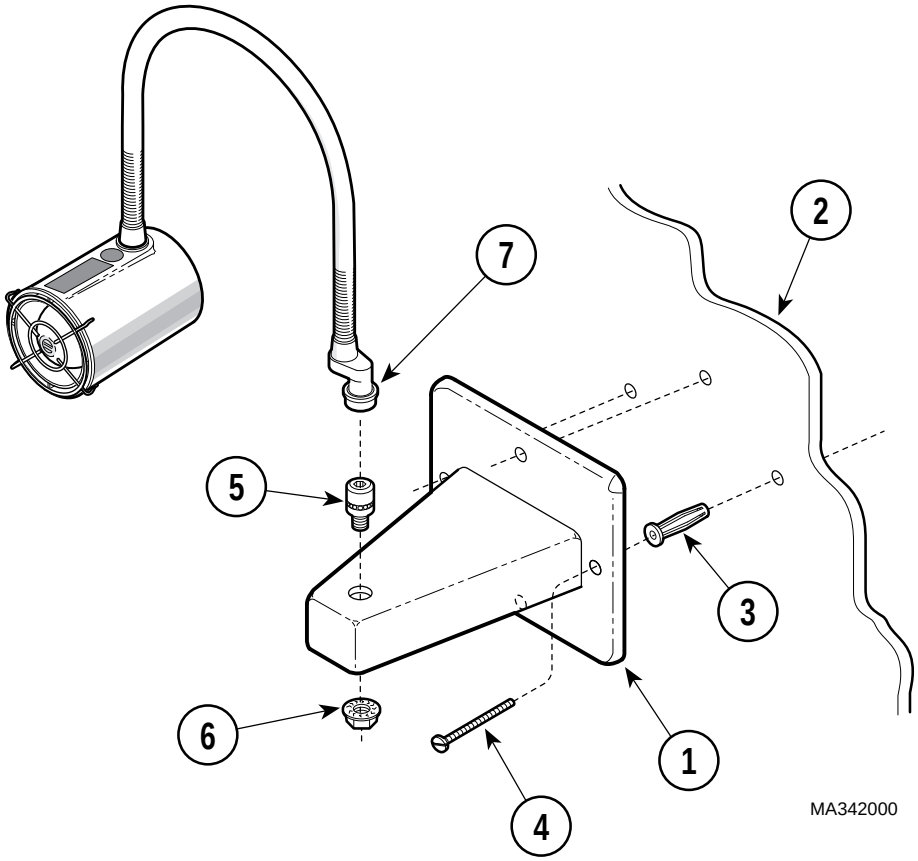

Figure 3. Assembly of 157 Wall Mount Exam Lamp

(3) Attach mounting bracket (1) to wall (2) with four screws (4).

(4) Attach mounting stud (5) to mounting bracket (1) with 3/8 in. locknut (6).

(5) To attach lamp, lift up on the black locking ring of the quick coupler (7) and then slide quick coupler onto male stud (5).

(6) Once male stud (5) is fully inserted into quick coupler (7), push down firmly on the black locking ring of the quick coupler to lock the quick coupler.

Operation of 157 Exam Lamp:

(1) Install a Type A 100 Watt bulb.

(2) Connect the three-pronged grounding plug (1, Figure 4) on the lamp's power cord into a matching three-pronged, grounded, 115 VAC receptacle.

CAUTION

Lamp head will become hot. Use care when positioning lamp head to prevent burns to hands.

EQUIPMENT ALERT

Do not pick up the lamp by the quick coupler (2) when moving the lamp. This could result in the lamp separating from the mounting tube.

(3) For mobile lamps only: To adjust the height of the lamp, loosen the clutch (3) and move the adjustable shaft (4) to the desired height; then tighten clutch.

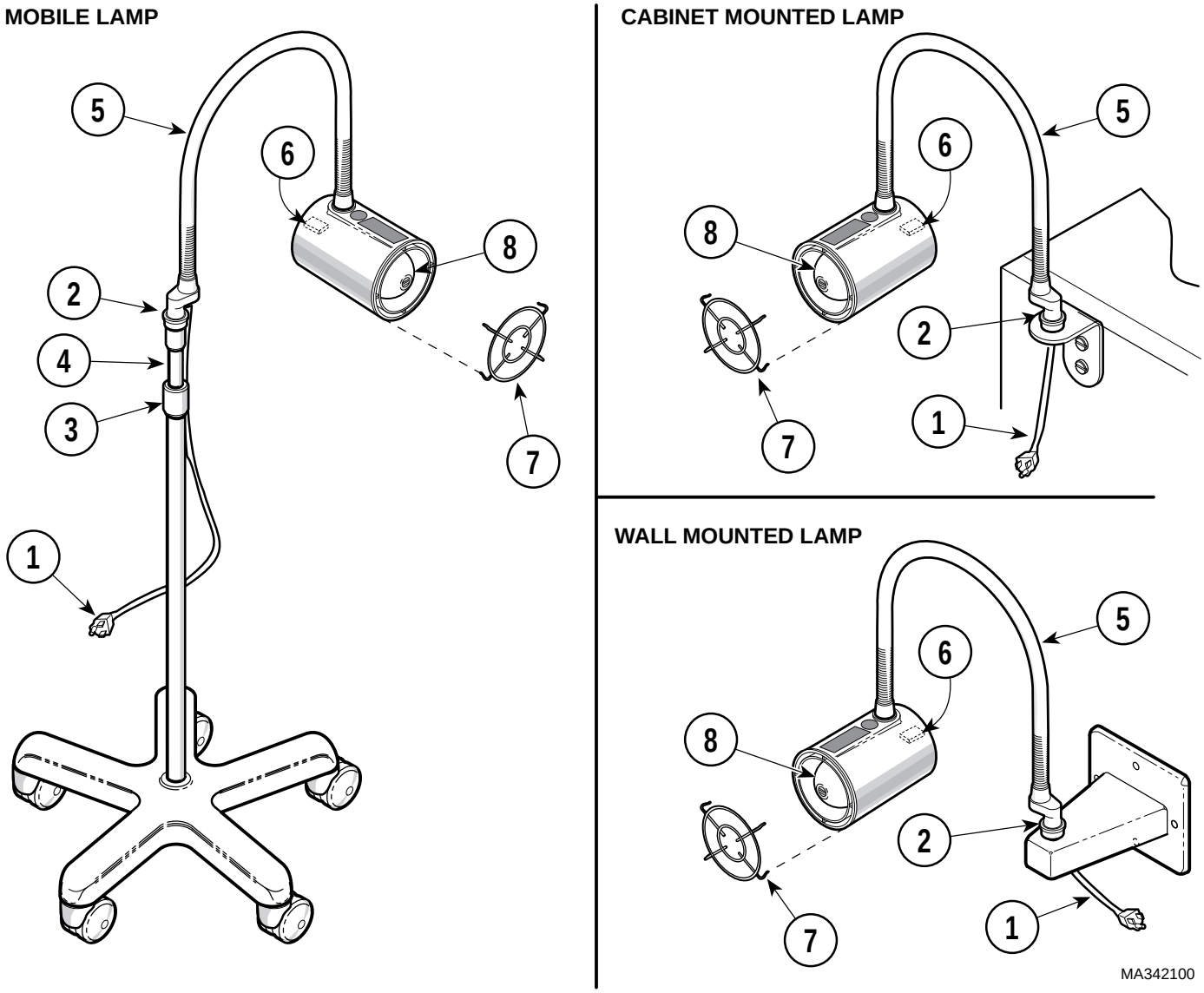

Figure 4. Operation of 157 Exam Lamp

EQUIPMENT ALERT

Do not bend the neck of the lamp too sharply in one place and do not bend the neck of lamp within 4 in. (10.1 cm) of the quick coupler (2). Failure to do so could result in weakened or damaged neck.

(4) To adjust the position of the lamp, simply bend the neck (5) of the lamp to the achieve the desired position.

(5) To turn the lamp ON and OFF, use ON / OFF switch (6).

Light Bulb Replacement on 157 Exam Lamp:

EQUIPMENT ALERT

Do not use a bulb which is rated above a standard A-100 bulb. Failure to do so could result in damage to Exam Lamp.

NOTE

Most light bulb manufacturers design incandescent bulbs to last only a designated number of hours. This bulb life may be significantly shortened when used in lamps that are constantly jarred or being turned on and off in high use settings. Frequent movement and relocation will also shorten the life of these bulbs. If this becomes a problem, simply install a heavy duty bulb (drop light type). This heavy duty bulb (also called a rough service bulb) may be found in hardware, auto supply, and lighting stores. This bulb should last longer and costs only slightly more.

(1) Turn ON / OFF switch (6, Figure 4) to OFF.

(2) Wait for bulb and wire shield to cool; then remove wire shield (7) from lamp head.

CAUTION

Wire shield and light bulb will be very hot if exam lamp has been used. Allow wire shield and light bulb to cool before handling. Failure to do so could result in burns to hands.

(3) Wait for light bulb (8) to cool.

(4) Remove light bulb (8) and replace with new Type A, 100 Watt bulb.

(5) Install wire shield (7) on lamp head.

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